

DESIG	ip	DRAWN BY	DART AEROSPACE LTI HAWKESBURY, ONTARIO, CANADA	)		
CHECK	KED #	APPROVED	DRAWING NO. DSI 9179 SHE	ET	REV 1 OF	
DATE			TITLE		SC	ALE
99.1	2.13		AS 350/355 AFT MAINTENANCE ST	EF	١ ١	NTS
Α		99.12.13	NEW ISSUE			

## DART SERVICE INSTRUCTION

TO AMEND INSTALLATION DRAWING D350-591 REV. D

REF. CANADIAN STC: SH92-6 US FAA STC: SH967NE

Add the D350-591-133 Aft Maintenance Step Installation to Installation Drawing D350-591 Rev. D for installation on AS 350/355 aircraft equipped with Hi-Skid gear. The D350-591-133 Aft Maintenance Step may be installed on either the left-hand or right-hand side of the aircraft and is compatible with existing Dart AS 350/355 Hi-Skid Step Installations.

## PARTS LIST:

Qty	Part No.	Description		
Х	D350-591-133	AFT MAINTENANCE STEP INSTALLATION		
4	D2230-1	MOUNTING LUG		
4	D2230-3	MOUNTING LUG		
1	D2945	MOUNTING PLATE		
1	D2946-041	STEP ASSEMBLY		
4	AN4-11A	BOLT		
8	AN4-14A	BOLT		
2	AN4-7A	BOLT		
14	AN960JD416	WASHER		
14	MS21042L4	NUT (or MS21042-4)		

## INSTALLATION INSTRUCTIONS:

- Attach the D2945 Mounting Plate onto the forward face of the foremost flange of the D2946-041 Step Assembly using the hardware shown in Figure 2.
- 2. Present the step to the crosstubes as outlined on page 2. The step should be placed 24.5 inches above the ground (7.0 inches above any existing Dart Hi-Skid steps). Propping the step at the appropriate height can facilitate installation.
- 3. Place the mounting lugs onto the crosstubes (see Figures 2 and 3).
- 4. Place bolts into one side of each mounting lug. Leave bolts loose to allow for adjustment.
- 5. Use the step as a guide to ensure proper lug placement on the crosstubes.
- 6. Ensure step is level and at the correct height from the ground.
- Tighten lug bolts, do not exceed torque of 60 in-lb on the nuts.
   CAUTION: Over-torquing the nuts could lead to structural damage of the lugs.
- 8. Install the hardware to mount the step to the mounting lugs.

## WEIGHT AND BALANCE:

		LATERAL		LONGITUDINAL	
INSTALLATION	WEIGHT	ARM	MOMENT	ARM	MOMENT
D350-591-133	6.78 lb	±38.6 in	±261.7 in-lb	133.8 in	907.2 in-lb
Aft Maintenance Step	3.07 kg	±0.98 m	±3.01 m-kg	3.40 m	10.44 m-kg



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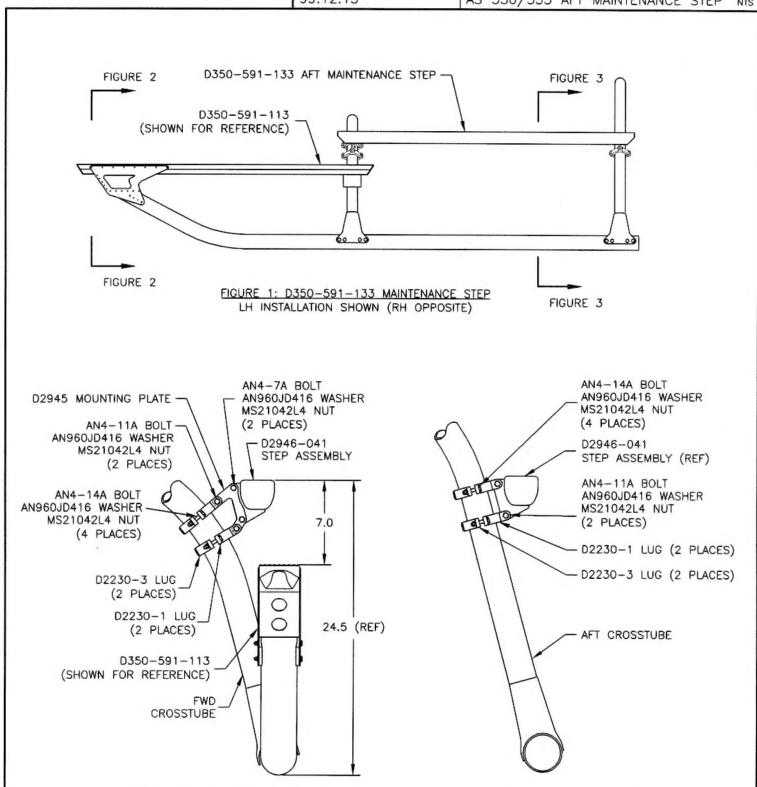


FIGURE 3: AFT CROSSTUBE

LH INSTALLATION SHOWN (RH OPPOSITE)

FIGURE 2: FWD CROSSTUBE

LH INSTALLATION SHOWN (RH OPPOSITE)